

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

Date of Report: 12/20/04

Date Received: 12/09/04

Project: Metro Self Monitor, PO# M94825, F&BI 412097

Date Extracted: 12/16/04

Date Analyzed: 12/16/04

**RESULTS FROM THE ANALYSIS OF WATER SAMPLE  
FOR TOTAL METALS BY  
INDUCTIVELY COUPLED PLASMA (ICP)  
(METHOD 6010)**

Results Reported as mg/L (ppm)

<u>Sample ID</u> Laboratory ID	<u>Chromium</u>	<u>Copper</u>	<u>Nickel</u>	<u>Zinc</u>
M94825 412097-01	0.55	0.77	0.41	0.05
Method Blank	<0.05	<0.05	<0.10	<0.05

# FRIEDMAN & BRUYA, INC.

## ENVIRONMENTAL CHEMISTS

Date of Report: 12/20/04

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Project: Metro Self Monitor, PO# M94825, F&BI 412097

### QUALITY ASSURANCE RESULTS FOR TOTAL METALS BY INDUCTIVELY COUPLED PLASMA (ICP) (METHOD 6010)

Laboratory Code: 412097-01 (Duplicate)

Analyte	Reporting Units	Sample Result	Duplicate Result	Relative Percent Difference	Acceptance Criteria
Chromium	mg/L (ppm)	0.55	0.54	2	0-20
Copper	mg/L (ppm)	0.77	0.84	9	0-20
Nickel	mg/L (ppm)	0.41	0.41	0	0-20
Zinc	mg/L (ppm)	0.05	<0.05	nm	0-20

Laboratory Code: 412097-01 (Matrix Spike)

Analyte	Reporting Units	Spike Level	Sample Result	Percent Recovery MS	Acceptance Criteria
Chromium	mg/L (ppm)	5	0.55	102	50-150
Copper	mg/L (ppm)	5	0.77	105	50-150
Nickel	mg/L (ppm)	10	0.41	97	50-150
Zinc	mg/L (ppm)	5	0.05	98	50-150

Laboratory Code: Laboratory Control Sample

Analyte	Reporting Units	Spike Level	Percent Recovery LCS	Acceptance Criteria
Chromium	mg/L (ppm)	5	96	70-130
Copper	mg/L (ppm)	5	99	70-130
Nickel	mg/L (ppm)	10	96	70-130
Zinc	mg/L (ppm)	5	97	70-130

412097

## SAMPLE CHAIN OF CUSTODY

CM 12/09/04

AI,

Send Report To General Thompson  
 Company Alaskan Copper Works  
 Address 628 S. Harvard St  
 City, State, ZIP Seattle WA 98134  
 Phone # 206-382-3379 Fax # 206-382-4309

SAMPLERS (signature) <u>[Signature]</u>	
PROJECT NAME/NO. <u>Metro Self Monitor</u>	PO # <u>M 94825</u>
REMARKS	

Page # _____ of _____
TURNAROUND TIME
<input type="checkbox"/> Standard (2 Weeks)
<input type="checkbox"/> RUSH
Rush charges authorized by: _____
SAMPLE DISPOSAL
<input type="checkbox"/> Dispose after 30 days
<input type="checkbox"/> Return samples
<input type="checkbox"/> Will call with instructions

Sample ID	Lab ID	Date	Time	Sample Type	# of containers	ANALYSES REQUESTED										Notes
						TPH-Diesel	TPH-Gasoline	BTEX by 8021B	VOCs by 8260	SVOCs by 8270	HFS					
M 94825	01	12/9/04	1:15pm	H <sub>2</sub> O	1											

Friedman & Bruya, Inc.  
 3012 16th Avenue West  
 Seattle, WA 98119-2029  
 Ph. (206) 285-8282  
 Fax (206) 283-5044

SIGNATURE	PRINT NAME	COMPANY	DATE	TIME
Relinquished by: <u>[Signature]</u>	<u>G. Thompson</u>	<u>ACLU</u>	<u>12/9/04</u>	<u>1:55pm</u>
Received by: <u>[Signature]</u>	<u>Dhan Phan</u>	<u>FBI</u>	<u>12/9/04</u>	<u>1:35pm</u>
Relinquished by:				
Received by:				



FRIEDMAN & BRUYA, INC.

ENVIRONMENTAL CHEMISTS

James E. Bruya, Ph.D.  
Charlene Morrow, M.S.  
Yelena Aravkina, M.S.  
Bradley T. Benson, B.S.  
Kurt Johnson, B.S.

3012 16th Avenue West  
Seattle, WA 98119-2029  
TEL: (206) 285-8282  
FAX: (206) 283-5044  
e-mail: fbi@isomedia.com

December 20, 2004

Gerry Thompson, Project Manager  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

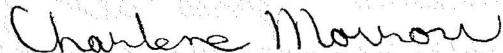
Dear Mr. Thompson:

Included are the results from the testing of material submitted on December 9, 2004 from the Metro Self Monitor, PO# M94825, F&BI 412097 project. There are 2 pages included in this report. Any samples that may remain are currently scheduled for disposal in 30 days. If you would like us to return your samples or arrange for long term storage at our offices, please contact us as soon as possible.

We appreciate this opportunity to be of service to you and hope you will call if you should have any questions.

Sincerely,

FRIEDMAN & BRUYA, INC.



Charlene Morrow  
Chemist

Enclosures  
ACU1220R.DOC

**FRIEDMAN & BRUYA, INC.**

**ENVIRONMENTAL CHEMISTS**

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December 20, 2004

**INVOICE #04ACU1220-1**

Accounts Payable  
Alaskan Copper Works  
628 South Hanford  
Seattle, WA 98134

RE: Project Metro Self Monitor, PO# M105480, F&BI 412170 - Results of testing  
requested by Gerry Thompson for material submitted on December 16, 2004.

1 sample analyzed for Total Chromium, Copper, Nickel and Zinc by Method 6010B @ \$80 per sample	\$ 80.00
Amount Due .....	\$ 80.00

FEDERAL TAX ID #(b) (6)